PTO-1449 REPRODUCED ATTORNEY DOCKET NO. APPLICATION NO. PATH03-14 INFORMATION DISCLOSURE CITATION APPLICANT IN AN APPLICATION Gary L. Breton (Use several sheets if necessary) FILING DATE **GROUP** U.S. PATENT DOCUMENTS SUB-FILING DATE IF EXAM-DOCUMENT NUMBER INER DATE NAME CLASS CLASS APPROPRIATE INI-. TIAL 5,607,846 3/4/97 435 69.3 5/17/94 Murphy, et al. AΑ 5,712,118 1/27/98 435 69.3 9/20/94 Murphy ΑB 5,725,862 3/10/98 Murphy 424 251.1 12/8/95 AC 5,948,412 9/7/99 Murphy 424 251.1 3/3/97 AD 5,972,657 10/26/99 Murphy, et al. 435 69.3 10/14/97 ΑE ΑF 5,556,755 9/17/96 Murphy 435 6 9/29/93. 5,981,213 11/9/99 435 69.1 5/25/95 Hansen, et al. AG 6,214,981 B1 4/10/01 Tucker, et al. 536 23.1 11/12/97 ÀĤ 6,004,562 12/21/99 251.1 Campagnari 424 8/16/96 ΑI 5,030,556 7/9/91 Beaulieu, et al. 435 6 3/30/89 ÄJ 2/6/01 6,184,371 B1 Loosmore, et al. 536 23.7 5/8/98 AK 7/18/00 Myers, et al. 435 69.1 3/8/96 6,090,576 AA2 6: . 6,001,5.64 12/14/99 Bergeron, et al. 435 9/11/95: AB2 5,808,024 9/15/98 Sasaki, et al. 536 6/7/95 23.1. AC 2 5,721,097 2/24/98 435 9/1/94 Roussau, et al. FOREIGN PATENT DOCUMENTS SUB-TRANSLATION DOCUMENT NUMBER DATE COUNTRY CLASS YES NO AL ŔΝ ΑO ΑP AQ. OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Murphy, T.F., et al., "The major heat-modifiable outer membrane protein CD is highly conserved among strains of Branhamella catarrhalis," Mol. Microbiol., 10(1):87-97 (1993). Hsiao, C.B., et al., "Outer membrane protein CD of Branhamella catarrhalis: sequence conservation in strains recovered from the human respiratory tract, "Microb. Pathog., 19:215-25 (1995). EXAMINER DATE CONSIDERED

	٠.		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
A	5	TAT.	Bhushan, R., et al., "Molecular cloning and characterization of outer membrane protein E of Moraxella (Branhamella) catarrhalis," J. Bacteriol., 176(21):6636-43 (1994).
		AR2	Bootsma, H.J., "Molecular characterization of the BRO β-lactamase of Moraxella (Branhamella) catarrhalis," Antimicrob Agents Chemother., 40(4):966-72 (1996).
		AS2	Aebi, C., et al., "Mapping of a protective epitope of the CopB outer membrane protein of Moraxella catarrhalis," Infect. & Immun., 66(2):540-8 (1998).
		AT2	Myers, L.E., et al., "The transferring binding protein B of Moraxella catarrhalis elicits bactericidal antibodies and is a potential vaccine antigen," Infect. & Immun., 66(9):4183-92 (1998).
	,	AR3	Du, R.P., et al., "Cloning and expression of the Moraxella catarrhalis lactoferrin receptor genes," Infec. & Immun., 66(8):3656-65 (1998).
	V	_AS3	Helminen, M.E., et al., "A Major Outer Membrane Protein of Moraxella catarrhalis Is a Target for Antibodies That Enhance Pulmonary Clearance of the Pathogen in an Animal Model," Infec. & Immun., 61(5):2003-10 (1993).
EXAMINER		IER	Phul the 2/1/07